

Please Enter
Hill 13 May 2005

Serial No.: 09/079,471
Group Art Unit: 3761

IN THE ABSTRACT

Please amend the Abstract as follows.

ABSTRACT

~~Novel [r] Roof bolt bearing plate and method are disclosed for use in underground mining operations. A novel dome-shaped roof bolt bearing plate and method support the roof in a mine. The novel bearing plate is round or elliptical and characterized and distinguished by important safety integrity features different from conventional commercial roof support devices. No dangerous edges and corners protrude downward. A novel recessed center is lower than the outer rim. A thin outer rim conforms to roof irregularities. The novel roof bolt bearing plate and method have been found to provide important advantages over conventional commercial roof support devices, including (1) concealing the head of the roof bolt to a preferred degree, (2) conforming to the roof's irregularities which will cause causing the plate to remain tight, (3) provide readability so the installer can to determine the quality and integrity of installation and anchorage, and (4) compressing the lower strata of the mine roof, thereby and creating a beam like support for the upper layers of the mine roof.~~